

- 1 About how much of the solar system's mass is in the Sun?
 - A 99 percent
 - B 89 percent
 - C 79 percent
 - D 69 percent

- 2 How does the size of the Sun compare with the sizes of other stars?
 - A The Sun is a very large star.
 - B The Sun is an average star.
 - C The Sun is a very small star.
 - D The Sun is the same size as all other stars.

- 3 Which two gases make up most of the Sun?
 - A nitrogen and hydrogen
 - B hydrogen and helium
 - C oxygen and nitrogen
 - D helium and oxygen

- 4 What is the largest object in the solar system?
 - A Earth
 - B Jupiter
 - C Saturn
 - D the Sun

- 5 Which statement about the Sun is true?
- A It is composed mostly of hydrogen and helium.
 - B It is composed mostly of uranium and hydrogen.
 - C It has a solid iron center surrounded by gases.
 - D It contains all of the known elements.
- 6 What changes in 11-year cycles?
- A the distance from the Sun to Earth
 - B the shape of Pluto's orbit
 - C the number of sunspots on the Sun
 - D the number of rings around Saturn
- 7 The Sun is a _____ of average size.
- A planet
 - B star
 - C nebula
 - D supernova
- 8 The _____ is made of the Sun and its planets, along with many moons, asteroids, and comets.
- A black hole
 - B solar system
 - C galaxy
 - D universe
- 9 What keeps the planets in orbit around the Sun?
- A gravity
 - B electricity
 - C magnetism
 - D light energy

- 10 Which kind of force holds the planets in their orbits?
- A electrical
 - B gravitational
 - C magnetic
 - D nuclear
- 11 What shape describes the paths that planets follow?
- A ellipse
 - B circle
 - C square
 - D line
- 12 Which object has the most gravity?
- A Earth
 - B Jupiter
 - C the Moon
 - D the Sun
- 13 Why do astronauts in orbit around Earth experience weightlessness?
- A There is no gravity at that height.
 - B The astronauts are in free fall.
 - C The spaceship blocks Earth's gravity.
 - D The Sun's gravity balances Earth's gravity.

14 A _____ is a large, round object that moves around a star, such as the Sun.

- A planet
- B gravity
- C satellite
- D moon

15 Which term describes a shape like an oval?

- A ellipse
- B circle
- C sphere
- D line

16 _____ is a force of attraction between objects.

- A Gravity
- B Satellite
- C Friction
- D Weightlessness

17 Which object orbits another object in space?

- A gravity
- B satellite
- C ellipse
- D radar

18 Where in the solar system is the asteroid belt?

- A between the orbits of Earth and Mars
- B between the orbits of Jupiter and Saturn
- C between the orbits of Mercury and Venus
- D between the orbits of Mars and Jupiter

19 Which of these planets is most like Earth?

- A Jupiter
- B Venus
- C Neptune
- D Mars

20 An object in the solar system is shown below.



Which object is this?

- A an asteroid
- B a comet
- C a moon
- D a planet

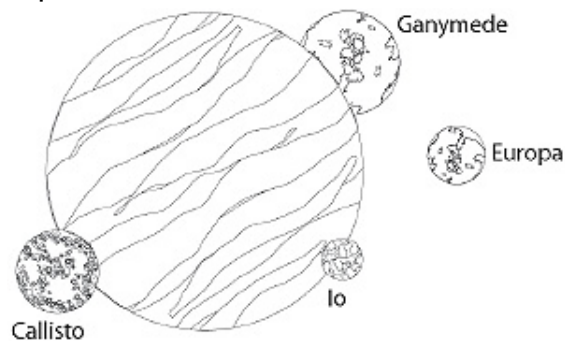
21 Which planet completes an orbit around the Sun in less time than Earth does?

- A Jupiter
- B Saturn
- C Mars
- D Mercury

- 22 Which planet has polar ice caps?
- A Venus
 - B Mercury
 - C Saturn
 - D Mars
- 23 _____ is the closest planet to the Sun.
- A Venus
 - B Mars
 - C Earth
 - D Mercury
- 24 Which planet is the solar system's largest rocky planet?
- A Mercury
 - B Mars
 - C Earth
 - D Venus
- 25 Which planet is the second closest to the Sun?
- A Venus
 - B Mars
 - C Mercury
 - D Earth
- 26 _____ is known as the "Red Planet."
- A Mars
 - B Earth
 - C Mercury
 - D Venus

- 27 Mercury is covered with thousands of _____.
- A moons
 - B ice caps
 - C asteroids
 - D craters
- 28 Which inner planet has an atmosphere of thick, swirling clouds?
- A Earth
 - B Mercury
 - C Mars
 - D Venus
- 29 Which planet has lots of liquid water on its surface?
- A Earth
 - B Venus
 - C Mercury
 - D Mars
- 30 The atmosphere of _____ has enough oxygen to support plant or animal life.
- A Mercury
 - B Mars
 - C Earth
 - D Venus

- 31 A planet and four of its moons are shown below.



Which planet is this?

- A Jupiter
 - B Mars
 - C Saturn
 - D Venus
- 32 Which planet has many well-developed rings?
- A Saturn
 - B Jupiter
 - C Mars
 - D Uranus
- 33 What is the name for the seventh planet from the Sun?
- A Neptune
 - B Uranus
 - C Jupiter
 - D Saturn
- 34 _____ is the largest planet in the solar system.
- A Saturn
 - B Neptune
 - C Uranus
 - D Jupiter

35 Which planet is the smallest of the gas giants?

- A Jupiter
- B Uranus
- C Saturn
- D Neptune

36 Which outer planet has a red, dusty surface?

- A Neptune
- B Uranus
- C Mars
- D 2003 UB313